

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 08-045725

(43)Date of publication of application : 16.02.1996

(51)Int.Cl.

H01F 1/34
C01G 49/00
C04B 35/38

(21)Application number : 06-197716

(71)Applicant : SUMITOMO SPECIAL METALS CO
LTD

(22)Date of filing : 29.07.1994

(72)Inventor : MITSUYOSHI YASUHARU

(54) LOW LOSS OXIDE MATERIAL**(57)Abstract:**

PURPOSE: To provide Mn-Zn ferrite base low loss oxide material comprising a composition capable of diminishing defects of conventional Mn-Zn based ferrite for miniaturization and lighening weight of a power supply by changing the drive frequency of a switching power supply to high-frequency (1-5MHz) while increasing the strength by heightening density as well as greatly cutting down the core loss.

CONSTITUTION: By adding a specific amount of CaO, SiO₂, V₂O₅, TiO₂, SnO₂ to the baseic composition comprising 67.1-69.6mol% of Fe₂O₃, 18.9-26.9mol% of MnO, and remaining ZnO, the characterisitics of the minimum value of the magnetic core loss not exceeding 500KW/m³ meeting the requirements of the frequency 1MHz-5MHz, 60-100°C and the product of frequency and the maximum induction flux density of 75000Hz.T can be obtained.

LEGAL STATUS

[Date of request for examination] 27.07.2001

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number] 3490504

[Date of registration] 07.11.2003

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office